

PLASTIC SET TEST FOR ASPHALT BITUMINOUS MASTIC

1. SCOPE: This test method measures the toughness, shrinkage, adhesion, and cracking of asphalt bituminous mastic after curing.
2. APPARATUS -
  - 2.1. Provide a Tinned Panel--The tinned panel, shall be approximately 5 by 3 by 0.013 inches.
  - 2.2. Provide a Spatula--The spatula, shall be capable of spreading the sample into a "smear" which is 1/16 to 1/8 of an inch thick.
3. SAMPLE: Ensure that the size of the test sample is shall be 3.0 ± 0.5 grams.
4. PROCEDURE -
  - 4.1. Apply the thin layer of the asphalt bituminous mastic, which is 1/16 to 1/8 of an inch thick and which weighs approximately 3 grams, to the tinned panel.
  - 4.2. Allow the specimen to cure at room temperature for 24 hours.
  - 4.3. Visually examine the specimen for the following:
    - 4.3.1. Toughness;
    - 4.3.2. Shrinkage;
    - 4.3.3. Adhesion to the tinned panel; and
    - 4.3.4. Cracking.

5. REPORT: Ensure that the asphalt bituminous mastic shall, within 24 hours, sets to a tough, plastic coating and does shall not shrink, crack, or loosen from the surface after the 24-hour cure period.

APPROVED \_\_\_\_\_  
Director  
Division of Materials

DATE 12/13/01 \_\_\_\_\_

Kentucky Method 64-416-02  
Revised 12/13/01  
Supersedes KM 64-416-99  
Dated 10/99

K4160102.doc